

CARSON RIVER BASIN, CARSON DESERT
1031221902 S-LINE DIVERSION CANAL NEAR STILLWATER, NV

LOCATION.--Lat 39°32'01", long 118°31'06" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec. 08, T.19 N., R.31 E., Churchill County, Hydrologic Unit 16050203, on left bank, off Hunter Road, 250 ft above confluence with West Canal, 1.5 mi north of U.S.F.W.S. Stillwater Headquarters, and 2 mi northeast of Stillwater.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1991 to September 1992, March 1993 to current year (irrigation season only).

GAGE.--Water-stage recorder. Elevation of gage is 3,880 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Annual mean listed below in summary statistics, represents average discharge for water year 1992. [See schematic diagram of Carson River Basin, Middle Carson River Basin and Carson Desert.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 51 ft³/s, September 27, 2002, gage height, 4.89 ft; no flow at times, most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 43 ft³/s, July 27, gage height, 4.72 ft; minimum daily discharge, 0.00 ft³/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	---	---	---	---	---	0.00	0.00	0.04	19	13	0.58
2	21	---	---	---	---	---	0.00	0.00	0.03	33	23	0.39
3	20	---	---	---	---	---	0.00	0.00	0.04	20	24	0.47
4	17	---	---	---	---	---	0.00	0.00	0.03	16	17	10
5	19	---	---	---	---	0.00	0.00	0.00	0.05	19	17	21
6	19	---	---	---	---	0.00	0.00	0.00	0.04	20	9.7	15
7	20	---	---	---	---	0.00	0.00	0.01	0.16	15	24	6.5
8	18	---	---	---	---	0.00	0.00	0.15	0.18	18	22	16
9	16	---	---	---	---	0.00	0.00	0.05	0.49	10	27	11
10	13	---	---	---	---	0.00	0.00	0.05	0.06	12	24	14
11	20	---	---	---	---	0.00	0.00	0.07	0.09	7.1	28	9.5
12	22	---	---	---	---	0.00	0.00	0.04	0.06	19	24	14
13	21	---	---	---	---	0.00	0.01	0.06	0.04	18	26	11
14	19	---	---	---	---	0.00	0.00	0.08	0.06	21	22	19
15	18	---	---	---	---	0.00	0.42	0.05	0.05	20	17	19
16	18	---	---	---	---	0.00	0.24	0.04	4.7	26	16	18
17	14	---	---	---	---	0.00	0.00	0.03	18	20	19	20
18	17	---	---	---	---	0.00	0.00	0.03	19	27	17	22
19	13	---	---	---	---	0.00	0.00	0.07	16	26	20	22
20	19	---	---	---	---	0.00	0.00	0.05	16	19	12	26
21	22	---	---	---	---	0.00	0.00	0.07	14	9.8	0.79	29
22	9.1	---	---	---	---	0.00	0.00	0.09	9.2	21	0.50	24
23	3.4	---	---	---	---	0.00	0.00	0.12	19	26	0.35	e16
24	1.0	---	---	---	---	0.00	0.00	0.10	16	26	0.57	e17
25	0.43	---	---	---	---	0.00	0.00	0.11	25	24	0.62	e18
26	0.52	---	---	---	---	0.00	0.00	0.10	14	24	0.78	e19
27	0.56	---	---	---	---	0.00	0.00	0.09	20	22	0.98	e20
28	0.44	---	---	---	---	0.00	0.00	0.11	21	19	0.87	e21
29	0.29	---	---	---	---	0.00	0.00	0.11	21	13	0.72	e18
30	11	---	---	---	---	0.00	0.00	0.04	21	15	0.74	e21
31	21	---	---	---	---	0.00	---	0.08	---	11	0.66	---
TOTAL	431.74	---	---	---	---	---	0.67	1.80	255.32	595.9	409.28	478.44
MEAN	13.9	---	---	---	---	---	0.02	0.06	8.51	19.2	13.2	15.9
MAX	22	---	---	---	---	---	0.42	0.15	25	33	28	29
MIN	0.29	---	---	---	---	---	0.00	0.00	0.03	7.1	0.35	0.39
AC-FT	856	---	---	---	---	---	1.3	3.6	506	1,180	812	949

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)

MEAN	20.4	0.00	0.00	0.00	0.00	3.70	3.92	8.61	9.11	11.6	13.3	18.7
MAX	29.0	0.00	0.00	0.00	0.00	25.1	11.1	21.5	20.4	19.2	21.1	29.8
(WY)	(1999)	(1992)	(1992)	(1992)	(1992)	(1996)	(1998)	(1995)	(1995)	(2004)	(1998)	(1996)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.06	0.45	0.12	0.23	0.00
(WY)	(1995)	(1992)	(1992)	(1992)	(1992)	(1992)	(2004)	(2004)	(2002)	(2002)	(1992)	(1992)

SUMMARY STATISTICS

ANNUAL MEAN
HIGHEST ANNUAL MEAN
LOWEST ANNUAL MEAN
HIGHEST DAILY MEAN
LOWEST DAILY MEAN
ANNUAL SEVEN-DAY MINIMUM
ANNUAL RUNOFF (AC-FT)
10 PERCENT EXCEEDS
50 PERCENT EXCEEDS
90 PERCENT EXCEEDS

WATER YEARS 1991 - 2004

2.82
2.82
2.82
41
0.00
0.00
2,040
15
0.00
0.00

1992
1992
Sep 27, 2002
May 24, 1991
May 24, 1991